



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

WARD 7: BYATARAYANAPURA

Name of work:- Improvements to roads and drains(balance work) amruthahalli in Ward 07, Byatarayanapura, kodigehalli Sub Division.

Estimated Cost:- 25.00 Lakhs.

P-CODE:- P-1771

Job sheet:- 007-18-000080

Name of Work:- Improvements to roads and drains(balance work) amruthahalli in Ward 07, Byatarayanapura.

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)								
	RCC Drain- cross road		1	150.00	0.60	0.60	54.00		
	CC concrete road		1	266.00	4.00	0.30	319.20		
	Over burden earth		1	60.00	1.00	0.50	30.00		
	Basic Rate:	cum	82.00				403.20	86.92	35047.00
	Area Weightage @ 6%		4.92						
	Total		86.92						
2	KSRRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)								
	RCC Drain- cross road- Bottom		1.00	150.00	0.60	0.15	13.50		
	CC Concrete road		1.00	266.00	4.00	0.15	159.60		
	Basic Rate:	cum	4867.00				173.10	5159.02	893027.00
	Area Weightage @ 6%		292.02						
	Total		5159.02						
3	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.17, Item No.17)								
	Reinforcement for side wall						24.75		
			At 55 Kg % per cum				1.36	64243.42	87452.00
	Basic Rate:	Tonne	60607.00						
	Area Weightage @ 6%		3636.42						
	Total		64243.42						

4	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)							
	SIDE WALL	1x2	2	150.00		0.45	135.00	✓
							135.00	387.96
	Basic Rate:	Sqm	366.00					
	Area Weightage @ 6%		21.96					
	Total		387.96					
5	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts buttresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)							
	Bottom							
			1.00	150.00	0.50	0.15	11.25	
	Side Wall							
		1x2	2.00	150.00	0.10	0.45	13.50	✓
							24.75	6371.66
	Basic Rate:	cum	6011.00					
	Area Weightage @ 6%		360.66					
	Total		6371.66					
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted, cost of all materials labour curing complete as per specifications (							
	DETA RATE	Sqm						
	Covering Slab							
			1	150		0.60	90.00	✓
							90.00	2100.00
								189000.00

7	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticiser @ 3lts confirming to IS9103-1999 REAFFIRMED-2008, Mixed in a concrete mixer of not less than 0.6 cum capacity and approximate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) and spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction operation including longitudinal joints, including groove cutting charges joint filler, separation membrane, sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specification. M20 (AT 300 Kg per cum coarse aggregates @ 0.69 cum and fine aggregate @ 0.43 cum) (Pg No. 177, It No. 22.6.1)							
		1.00	266.00	4.00	0.15	159.60	6217.96	992386.00
		5866				159.60	6371.66	1016917.00
	Basic Rate:	cum	6011.00					
	Area Weightage @ 6%		360.66	351.96				
	Total		6371.66	6217.96				
8	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1: Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)							
	Basic Rate	cum	68.00			403.20	106.00	42740.00
	Rs. 2.50 Tonne Km.							
	Average Weight of earth							
	1.28 Tonne/Km.							
	For 10 Km							
	Rs. 2.50 X 1.28 Tonne X 10K		32.00					
	Total		100.00					
	Add Area Weightage 6%		6.00					
			106.00					
9						Sub Total		2474257.00
10						Add 1% Third party inspection charges		24742.57
11						Miscellaneous charges		1000.43
12						Total		2500000.00

1) This is certified that the work spot comes under BBMP limits only.

12						Total	2500000.00
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- 1) This is certified that the work spot comes under BBMP limits only.
- 2) The work spot is inspected by me
- 3) The items Provided in the Estimate are quite Essential
- 4) The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.

[Signature]
Asst. Engineer
Ward no.7

[Signature]
Asst. Exe. Engineer
Kodigehalli Sub-division
B.B.M.P.

[Signature] 17/02
Executive Engineer
Byatrayanapura Division
B.B.M.P.
[Signature] 17/02

Administrative Approval

Accorded For *Rs. Twenty five lakhs only*
Head of A/C. *D-1771*
CER NO : *AS/325/17-18* Dt: *08.02.18*

TA

CE (YNK)

Technical Sanction

Accorded For *Rs. Twenty five lakhs only*
Head of A/C. *D-1771*
CER NO : *75/675/17-18* Dt: *16.02.18*

TA

CE (YNK)